

CLAIMS

1. (amended) A multimedia information generation apparatus for generating multimedia information including at least one two-dimensional image or character information and at least one three-dimensional image, comprising:

a control information generation unit generating control information for controlling display of said three-dimensional image; and

a multimedia information generation unit generating said multimedia information including said at least one two-dimensional image or character information and at least one three-dimensional image and said control information, wherein said at least one two-dimensional image or character information and at least one three-dimensional image are data to be synthesized.

2. (amended) A multimedia information generation apparatus for generating multimedia information comprised of a plurality of modules, comprising

a module generation unit generating said modules including at least one two-dimensional image or character information and at least one three-dimensional image, wherein

said modules include control information for controlling display of said three-dimensional image, and said at least one two-dimensional image or character information and at least one three-dimensional image are data to be synthesized.

3. (amended) The multimedia information generation apparatus according to claim 1 or 2, wherein said control information is provided correspondingly to each three-dimensional image.

4. (amended) The multimedia information generation apparatus according to claim 1 or 2, wherein said control information is provided correspondingly to a plurality

of three-dimensional images.

5. (amended) The multimedia information generation method according to claim 1, wherein an identifier for identifying each of at least said two dimensional image and said three-dimensional image is set in advance, and said control information includes said identifier of the three-dimensional image.

6. (amended) The multimedia information generation apparatus according to claim 2, wherein an identifier for identifying each of at least said two-dimensional image and said three-dimensional image is set in advance, and said control information includes said identifier of the three-dimensional image.

7. (amended) The multimedia information generation apparatus according to claim 5 or 6, wherein said control information includes a plurality of identifiers.

15 8. (amended) The multimedia information generation apparatus according to claim 5 or 6, wherein a predetermined value of said identifier indicates that all of images included in said multimedia information are three-dimensional images.

20 9. (amended) The multimedia information generation apparatus according to claim 5, wherein a predetermined value of said identifier indicates that all of images included in said modules are three-dimensional images.

25 10. (amended) A multimedia information reproduction apparatus reproducing multimedia information including at least one two-dimensional image or character information and at least one three-dimensional images, comprising:

a generation unit generating a three-dimensional image from said two-dimensional image or character information; and

a first synthesis unit synthesizing said three-dimensional image generated by said generation unit and the three-dimensional image included in said multimedia information.

5 11. (amended) The multimedia information reproduction apparatus according to claim 10, further comprising a second synthesis unit synthesizing a plurality of two-dimensional images or character information, and

said generation unit generates three-dimensional image data from two-dimensional image data obtained through synthesis by said second synthesis unit, instead of said two-dimensional images or character information.

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12. (amended) A multimedia information reproduction apparatus reproducing multimedia information including a plurality of sets of at least one two-dimensional image or character information and at least one three-dimensional image, comprising:

15 a page data decoding unit decoding graphic and character information included in said multimedia information to obtain a page image;

a 2D/3D conversion unit converting said page image into a three-dimensional image; and

20 a first synthesis unit synthesizing the three-dimensional image generated by said 2D/3D conversion unit and the three-dimensional image included in said multimedia information.

13. (amended) The multimedia information reproduction apparatus according to claim 12, further comprising a second synthesis unit synthesizing a plurality of two-dimensional images, and

25 said 2D/3D conversion unit converts two-dimensional image data obtained through synthesis by said second synthesis unit into three-dimensional image data.

14. (amended) The multimedia information reproduction apparatus according to

claim 12 or 13, wherein a first font image and a second font image corresponding to the character information are provided, said first font image is used when the character information is three-dimensionally displayed and said second font image is used when the character information is two-dimensionally displayed.

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15. (amended) The multimedia information reproduction apparatus according to claim 14, wherein said page data decoding unit uses said first or second font image to obtain the page image.

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16. (amended) The multimedia information reproduction apparatus according to claim 14, wherein said 2D/3D conversion unit uses said first or second font image to obtain the three-dimensional image.

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17. (amended) The multimedia information reproduction apparatus according to claim 15 or 16, further comprising:

a font image storage unit storing said first font image and said second font image; and

a switch selecting said first font image or said second font image.

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18. (amended) The multimedia information reproduction apparatus according to claim 15 or 16, further comprising a font conversion unit converting the second font image into the first font image.

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19. (amended) The multimedia information reproduction apparatus according to claim 14, wherein said first font image is comprised of a plurality of pieces of light/dark information and arranged so that apparent character thickness is thin.

AMENDED SHEETS

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